

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Canceled).

Claim 2 (Previously Presented): The method of claim 24 wherein the electrokinetic chromatography is capillary electrophoresis.

Claim 3 (Previously Presented): The method of claim 24 wherein the sample comprises a chemical compound library.

Claim 4 (Previously Presented): The method of claim 3 wherein the chemical compound library is a combinatorial library.

Claims 5-15 (Canceled).

Claim 16 (Previously Presented): The method of claim 24 wherein the fluorophore is fluorescein.

Claims 17-23 (Canceled).

Claim 24 (Currently Amended): A method for determining the binding affinity and/or stoichiometry of a binding complex having a binding factor and a probe, comprising:

- (a) contacting a sample comprising a binding factor selected from the group consisting of vancomycin antibody, *trp* operator-repressor, and staphylococcal enterotoxin A antibody with a probe comprising a fluorophore bound to one of vancomycin, staphylococcal enterotoxin A, or *trp* operator, wherein the probe binds to the binding factor forming a binding complex; and
- (b) separating the binding complex and unbound probe into different fractions by electrokinetic chromatography and simultaneously measuring the laser-induced fluorescence polarization of the complex ~~sample as a function of the relative electrophoretic mobility of the binding complex and unbound probe; and wherein~~
- (c) ~~subjecting each fraction from step (b) to the~~ fluorescence polarization measurement is conducted ~~under conditions wherein the binding complex produces a fluorescence pattern different from that of the unbound probe, thereby allowing detection of the binding complex relative to the unbound probe,~~
~~wherein the probe is selected from the group consisting of vancomycin, staphylococcal enterotoxin A, and *trp* operator; and~~
~~wherein the binding factor is selected from the group consisting of vancomycin antibody, *trp* operator-repressor, and staphylococcal enterotoxin A antibody.~~

Claim 25 (Previously Presented): The method of claim 24 wherein the probe has a molecular weight of less than about 20,000 daltons.

Claim 26 (Previously Presented): The method of claim 12 wherein the probe has a molecular weight of less than about 5,000 daltons.